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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>NEWS 1</u> | Web Page URLs for STN Seminar Schedule - N. America |
| <u>NEWS 2</u> | Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web |
| <u>NEWS 3</u> | Jan 29 FSTA has been reloaded and moves to weekly updates |
| <u>NEWS 4</u> | DKILIT now produced by FIZ Karlsruhe and has a new update frequency |
| <u>NEWS 5</u> | Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02 |
| <u>NEWS 6</u> | Mar 08 Gene Names now available in BIOSIS |
| <u>NEWS 7</u> | Mar 22 TOXLIT no longer available |
| <u>NEWS 8</u> | Mar 22 TRCTHERMO no longer available |
| <u>NEWS 9</u> | Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL |
| <u>NEWS 10</u> | Mar 28 LIPINSKI/CALC added for property searching in REGISTRY |
| <u>NEWS 11</u> | Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead. |
| <u>NEWS 12</u> | Apr 08 "Ask CAS" for self-help around the clock |
| <u>NEWS 13</u> | Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area |
| <u>NEWS 14</u> | Apr 09 ZDB will be removed from STN |
| <u>NEWS 15</u> | Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB |
| <u>NEWS 16</u> | Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS |
| <u>NEWS 17</u> | Apr 22 BIOSIS Gene Names now available in TOXCENTER |
| <u>NEWS 18</u> | Apr 22 Federal Research in Progress (FEDRIP) now available |
| <u>NEWS EXPRESS</u> | February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002 |
| <u>NEWS HOURS</u> | STN Operating Hours Plus Help Desk Availability |
| <u>NEWS INTER</u> | General Internet Information |
| <u>NEWS LOGIN</u> | Welcome Banner and News Items |
| <u>NEWS PHONE</u> | Direct Dial and Telecommunication Network Access to STN |
| <u>NEWS WWW</u> | CAS World Wide Web Site (general information) |

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FILE 'HOME' ENTERED AT 14:28:57 ON 29 MAY 2002

| => file agricola biosis medline uspatfull japiro europatfull | SINCE FILE | TOTAL |
|--------------------------------------------------------------|------------|---------|
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.42 | 0.42 |

FILE 'AGRICOLA' ENTERED AT 14:29:55 ON 29 MAY 2002

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=> s (site specific recombination)
 L1 2884 (SITE SPECIFIC RECOMBINATION)

=> s plastic
 L2 1097174 PLASTIC

=> s plastid
 L3 14120 PLASTID

=> s 11 and 13
 L4 28 L1 AND L3

=> d 14 1-28

L4 ANSWER 1 OF 28 AGRICOLA

Full Citng
 Text References

AN 2001:83327 AGRICOLA
 DN IND23239388
 TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox **site-specific recombination** system.
 AU Corneille, S.; Lutz, K.; Svab, Z.; Maliga, P.
 AV DNAL (QK710.P68)
 SO The Plant journal : for cell and molecular biology, July 2001. Vol. 27, No. 2. p. 171-178
 Publisher: Oxford : Blackwell Sciences Ltd.
 ISSN: 0960-7412
 NTE Includes references
 CY England; United Kingdom
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L4 ANSWER 2 OF 28 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full Citng
 Text References

AN 2001:420984 BIOSIS
 DN PREV200100420984
 TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox **site-specific recombination** system.
 AU Corneille, Sylvie; Lutz, Kerry; Svab, Zora; Maliga, Pal (1)
 CS (1) Waksman Institute, Rutgers, State University of New Jersey, 190 Frelinghuysen Road, Piscataway, NJ, 08854-8020: maliga@waksman.rutgers.edu
 USA
 SO Plant Journal, (July, 2001) Vol. 27, No. 2, pp. 171-178. print.
 ISSN: 0960-7412.
 DT Article
 LA English
 SL English

L4 ANSWER 3 OF 28 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full Citng
 Text References

AN 1997:500696 BIOSIS
 DN PREV199799799899
 TI The recombinant product of the Cryptomonas PHI **plastid** gene hlpA is an architectural HU-like protein that promotes the assembly of complex nucleoprotein structures.
 AU Grasser, Klaus D. (1); Ritt, Christoph; Krieg, Marion; Fernandez, Silvia; Alonso, Juan C.; Grimm, Rudi

CS (1) Inst. Biol. III, Albert-Ludwigs-Univ. Freiburg, Schaenzlestr. 1,
D-79104 Freiburg Germany
SO European Journal of Biochemistry, (1997) Vol. 249, No. 1, pp. 70-76.
ISSN: 0014-2956.
DT Article
LA English

L4 ANSWER 4 OF 28 MEDLINE

Full Text Citing References

AN 2001444258 MEDLINE
 DN 21382928 PubMed ID: 11489194
 TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox **site-specific recombination** system.
 AU Corneille S; Lutz K; Svab Z; Maliga P
 CS Waksman Institute, Rutgers, The State University of New Jersey, 190 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA.
 SO PLANT JOURNAL, (2001 Jul) 27 (2) 171-8.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200109
 ED Entered STN: 20010813
 Last Updated on STN: 20011001
 Entered Medline: 20010927

L4 ANSWER 5 OF 28 MEDLINE

Full Text Citing References

AN 1998028385 MEDLINE
 DN 98028385 PubMed ID: 9363755
 TI The recombinant product of the Chryptomonas phi **plastid** gene hlpA is an architectural HU-like protein that promotes the assembly of complex nucleoprotein structures.
 AU Grasser K D; Ritt C; Krieg M; Fernandez S; Alonso J C; Grimm R
 CS Institut fur Biologie III, Albert-Ludwigs-Universitat Freiburg, Germany.. grasser@biologie.uni-freiburg.de
 SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1997 Oct 1) 249 (1) 70-6.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199712
 ED Entered STN: 19980109
 Last Updated on STN: 19990129
 Entered Medline: 19971205

L4 ANSWER 6 OF 28 USPATFULL

Full Text Citing References

AN 2002:102626 USPATFULL
 TI Regulatory sequences for transgenic plants
 IN Ainley, Michael, Carmel, IN, United States
 Armstrong, Katherine, Zionsville, IN, United States
 Belmar, Scott, Indianapolis, IN, United States
 Folkerts, Otto, Guilford, CT, United States
 Hopkins, Nicole, Indianapolis, IN, United States
 Menke, Michael A., Indianapolis, IN, United States
 Pareddy, Dayakar, Carmel, IN, United States
 Petolino, Joseph F., Zionsville, IN, United States
 Smith, Kelley, Lebanon, IN, United States
 Woosley, Aaron, Fishers, IN, United States

PA Dow AgroSciences LLC, Indianapolis, IN, United States (U.S. corporation)
 PI US 6384207 B1 20020507
 AI US 1998-97319 19980612 (9)
PRAI US 1997-49752P 19970612 (60)
 DT Utility
 FS GRANTED
 LN.CNT 3239
 INCL INCLM: 536/024.100
 INCLS: 800/298.000; 435/410.000; 435/419.000; 435/320.100; 536/023.100
 NCL NCLM: 536/024.100
 NCLS: 800/298.000; 435/410.000; 435/419.000; 435/320.100; 536/023.100
 IC [7]
 ICM: C12N005-04
 ICS: C12N015-29; A01H005-00; A01H005-10; C07H021-04
 EXF 435/6; 435/69.1; 435/468; 435/470; 435/410; 435/419; 435/320.1;
 536/23.1; 536/23.2; 536/23.4; 536/23.6; 536/24.1; 800/278; 800/287;
 800/290; 800/292; 800/293; 800/295; 800/298; 800/320; 800/320.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 28 USPATFULL

Full Current References
 Text

AN 2002:100185 USPATFULL
 TI Transgenic plants containing heat shock protein
 IN Lindquist, Susan, Chicago, IL, UNITED STATES
 Queitsch, Christine, Chicago, IL, UNITED STATES
 Vierling, Elizabeth, Tuscon, AZ, UNITED STATES
 PI US 2002053097 A1 20020502
 AI US 2001-812350 A1 20010320 (9)
PRAI US 2000-190769P 20000320 (60)
 US 2000-198116P 20000418 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 3348
 INCL INCLM: 800/298.000
 INCLS: 800/278.000
 NCL NCLM: 800/298.000
 NCLS: 800/278.000
 IC [7]
 ICM: A01H005-00
 ICS: C12N015-82
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 28 USPATFULL

Full Current References
 Text

AN 2002:81681 USPATFULL
 TI Genes for microsomal delta-12 fatty acid desaturases and hydroxylases
 from plants
 IN Lightner, Jonathan Edward, Marietta, PA, United States
 Okuley, John Joseph, Columbus, OH, United States
 Hitz, William, Wilmington, DE, United States
 Kinney, Anthony John, Wilmington, DE, United States
 Perez-Grau, Luis, Davis, CA, United States
 Yadav, Narendra S., Chadds Ford, PA, United States
 PA E.I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S.
 corporation)
 PI US 6372965 B1 20020416
 AI US 1998-133962 19980814 (9)
RLI Continuation of Ser. No. US 1994-262401, filed on 20 Jun 1994, now
 abandoned Continuation-in-part of Ser. No. WO 1993-US9987, filed on 15
 Oct 1993 Continuation-in-part of Ser. No. US 1992-977339, filed on 17
 Nov 1992, now abandoned
 DT Utility
 FS GRANTED

LN.CNT 4332
 INCL INCLM: 800/298.000
 INCLS: 800/281.000; 435/320.100; 435/419.000; 435/468.000; 536/023.600
 NCL NCLM: 800/298.000
 NCLS: 435/320.100; 435/419.000; 435/468.000; 536/023.600; 800/281.000
 IC [7]
 ICM: A01H005-00
 ICS: C12N005-04; C12N015-82
 EXF 800/281; 800/298; 435/69.1; 435/468; 435/419; 435/320.1; 536/23.6
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 28 USPATFULL

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|-------------|-------------------|
| Full | Citing |
| Text | References |

AN 2002:43151 USPATFULL
 TI METHODS AND COMPOSITIONS FOR CELLULAR AND METABOLIC ENGINEERING
 IN MINSHULL, JEREMY, SAN FRANCISCO, CA, UNITED STATES
 STEMMER, WILLEM P. C., LOS GATOS, CA, UNITED STATES
 PI US 2002025517 A1 20020228
 US 6391640 B2 20020521
 AI US 1998-188777 A1 19981109 (9)
 RLI Continuation of Ser. No. US 1996-650400, filed on 20 May 1996, UNKNOWN
 DT Utility
 FS APPLICATION
 LN.CNT 2433
 INCL INCLM: 435/006.000
 INCLS: 435/091.200
 NCL NCLM: 435/440.000
 NCLS: 435/006.000; 435/091.200; 536/023.100; 536/024.300; 935/076.000;
 935/077.000; 935/078.000
 IC [7]
 ICM: C12Q001-68
 ICS: C12P019-34
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 28 USPATFULL

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| Full | Citing |
| Text | References |

AN 2001:238459 USPATFULL
 TI Homologous recombination-mediated transgene alterations in plants
 IN McElroy, David, Redwood City, CA, United States
 Walters, David A., North Stonington, CT, United States
 Gilbertson, Larry A., Chesterfield, MO, United States
 PI US 2001056583 A1 20011227
 AI US 2001-801261 A1 20010307 (9)
 RLI Continuation-in-part of Ser. No. US 2000-521557, filed on 9 Mar 2000,
 PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 4786
 INCL INCLM: 800/278.000
 INCLS: 435/468.000; 800/298.000; 800/320.100; 800/260.000; 800/288.000;
 800/300.000; 800/302.000; 800/320.000; 536/023.600; 536/023.700
 NCL NCLM: 800/278.000
 NCLS: 435/468.000; 800/298.000; 800/320.100; 800/260.000; 800/288.000;
 800/300.000; 800/302.000; 800/320.000; 536/023.600; 536/023.700
 IC [7]
 ICM: C12N015-82
 ICS: A01H005-00; C12N015-29; C12N015-31
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 28 USPATFULL

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| Full | Citing |
| Text | References |

AN 2001:190959 USPATFULL

TI Methods and compositions for cellular and metabolic engineering
 IN Minshull, Jeremy, San Francisco, CA, United States
 Stemmer, Willem P. C., Los Gatos, CA, United States
 PA Maxygen, Inc., Redwood City, CA, United States (U.S. corporation)
PI US 6309883 B1 20011030
AI US 2000-490642 20000124 (9)
RLI Continuation of Ser. No. US 1998-189103, filed on 9 Nov 1998
 Continuation of Ser. No. US 1996-650400, filed on 20 May 1996, now
 patented, Pat. No. US 5837458 Continuation-in-part of Ser. No. US
 1996-621859, filed on 25 Mar 1996, now patented, Pat. No. US 6117679
 Continuation-in-part of Ser. No. US 1996-621430, filed on 25 Mar 1996,
 now abandoned Continuation-in-part of Ser. No. US 537874, now patented,
 Pat. No. US 5830721 Continuation-in-part of Ser. No. US 1995-425684,
 filed on 18 Apr 1995, now patented, Pat. No. US 5834252
 Continuation-in-part of Ser. No. US 1994-198431, filed on 17 Feb 1994,
 now patented, Pat. No. US 5605793
 DT Utility
 FS GRANTED
 LN.CNT 3645
 INCL INCLM: 435/440.000
 INCLS: 435/006.000; 536/023.100; 536/024.300; 935/076.000; 935/077.000;
 935/078.000
 NCL NCLM: 435/440.000
 NCLS: 435/006.000; 536/023.100; 536/024.300
 IC [7]
 ICM: C12N015-00
 ICS: C12Q001-68; C07H021-02; C07H021-04
 EXF 435/440; 435/6; 536/23.1; 536/24.3; 935/76; 935/77; 935/78
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 28 USPATFULL

Full Claims
 Text References

AN 2001:185550 USPATFULL
 TI Methods and compositions for transgene identification
 IN Kriz, Alan L., Gales Ferry, CT, United States
 Spencer, T. Michael, Mystic, CT, United States
 PA Dekalb Genetics Corporation, Dekalb, IL, United States (U.S.
 corporation)
PI US 6307123 B1 20011023
AI US 1998-80625 19980518 (9)
 DT Utility
 FS GRANTED
 LN.CNT 5135
 INCL INCLM: 800/282.000
 INCLS: 800/266.000; 800/288.000; 800/300.000; 800/301.000; 536/023.400;
 536/024.100
 NCL NCLM: 800/282.000
 NCLS: 536/023.400; 536/024.100; 800/266.000; 800/288.000; 800/300.000;
 800/301.000
 IC [7]
 ICM: C12N015-00
 ICS: C12M015-09; A01H005-00; A01H001-02
 EXF 536/24.1; 536/23.4; 435/69.1; 435/172.3; 435/410; 435/411; 435/419;
 435/430.1; 800/278; 800/266; 800/282; 800/288; 800/200; 800/301
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 28 USPATFULL

Full Claims
 Text References

AN 2001:183179 USPATFULL
 TI Modified ribulose 1,5-bisphosphate carboxylase/oxygenase for improvement
 and optimization of plant phenotypes
 IN Stemmer, Willem P.C., Los Gatos, CA, United States
 Subramanian, Venkiteswaran, San Diego, CA, United States

Zhu, Genhai, Sunnyvale, CA, United States
 Liu, Lu, Redwood City, CA, United States
 Selifonov, Sergey A., Los Altos, CA, United States
 PA Maxygen. Inc. (U.S. corporation)
 PI US 2001032342 A1 20011018
 AI US 2001-800123 A1 20010305 (9)
 RLI Continuation of Ser. No. US 1999-437726, filed on 9 Nov 1999, PENDING
PRAI US 1999-153093P 19990909 (60)
 US 1998-107756P 19981110 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 3440
 INCL INCLM: 800/298.000
 INCLS: 800/278.000; 435/440.000
 NCL NCLM: 800/298.000
 NCLS: 800/278.000; 435/440.000
 IC [7]
 ICM: A01H005-00
 ICS: C12N015-82
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 28 USPATFULL

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| Full | Cited |
| Text | References |

AN 2001:131501 USPATFULL
 TI Nucleic acids encoding a plant enzyme involved in very long chain fatty acid synthesis
 IN Kunst, Ljerka, North Vancouver, Canada
 Millar, Anthony A., Vancouver, Canada
 PA The University of British Columbia, Vancouver, Canada (non-U.S. corporation)
 PI US 6274790 B1 20010814
 AI US 1998-58947 19980410 (9)
 PRAI US 1997-43831P 19970414 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1741
 INCL INCLM: 800/287.000
 INCLS: 800/281.000; 800/298.000; 435/468.000; 536/024.100
 NCL NCLM: 800/287.000
 NCLS: 435/468.000; 536/024.100; 800/281.000; 800/298.000
 IC [7]
 ICM: C12N015-82
 ICS: A01H005-00; C07H021-04
 EXF 800/298; 800/281; 800/264; 800/287; 435/69.1; 435/468; 435/419; 435/430;
 435/320.1; 536/23.6
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 28 USPATFULL

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| Full | Cited |
| Text | References |

AN 2001:71760 USPATFULL
 TI Maize A3 promoter and methods for use thereof
 IN McElroy, David, Palo Alto, CA, United States
 Kriz, Alan L., Gales Ferry, CT, United States
 Orozco, Jr., Emil M., West Grove, PA, United States
 Griffor, Matt, N. Stonington, CT, United States
 PA Dekalb Genetics Corp., Mystic, CT, United States (U.S. corporation)
 PI US 6232526 B1 20010515
 AI US 1999-312038 19990514 (9)
 DT Utility
 FS Granted
 LN.CNT 5454
 INCL INCLM: 800/278.000
 INCLS: 800/287.000; 800/295.000; 800/298.000; 800/320.000; 800/320.100;

800/320.200; 800/320.300; 800/317.200; 800/317.300; 800/317.400;
 800/312.000; 800/314.000; 800/279.000; 800/281.000; 800/284.000;
 800/289.000; 800/290.000; 800/300.000; 435/069.100; 435/252.300;
 435/320.100; 435/419.000; 435/468.000; 435/418.000; 435/413.000;
 435/414.000; 435/415.000; 435/416.000; 435/417.000; 536/023.100;
 536/024.100; 536/023.600

NCL NCLM: 800/278.000
 NCLS: 435/069.100; 435/252.300; 435/320.100; 435/413.000; 435/414.000;
 435/415.000; 435/416.000; 435/417.000; 435/418.000; 435/419.000;
 435/468.000; 536/023.100; 536/023.600; 536/024.100; 800/279.000;
 800/281.000; 800/284.000; 800/287.000; 800/289.000; 800/290.000;
 800/295.000; 800/298.000; 800/300.000; 800/312.000; 800/314.000;
 800/317.200; 800/317.300; 800/317.400; 800/320.000; 800/320.100;
 800/320.200; 800/320.300

IC [7]
 ICM: C12N005-04
 ICS: C12N015-11; C12N015-29; C12N015-82; A01H005-00
 EXF 800/278; 800/295; 800/287; 800/298; 800/320; 800/320.1; 800/320.2;
 800/320.3; 800/317.2; 800/317.3; 800/317.4; 800/312; 800/314; 800/279;
 800/281; 800/284; 800/289; 800/290; 800/300; 800/301; 800/302; 800/303;
 800/304; 800/305; 800/306; 800/322; 800/292; 800/293; 800/294; 435/69.1;
 435/252.3; 435/320.1; 435/419; 435/468; 435/418; 435/413; 435/414;
 435/415; 435/416; 435/417; 536/23.1; 536/24.1; 536/23.6

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 28 USPATFULL

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| Full Text | Claim |
| | References |

AN 2001:67434 USPATFULL
 TI Polyhydroxyalkanoates of narrow molecular weight distribution prepared
 in transgenic plants
 IN Asrar, Jawed, Chesterfield, MO, United States
 Mitsky, Timothy A., Maryland Heights, MO, United States
 Shah, Devang T., Chesterfield, MO, United States
 PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)
 PI US 6228623 B1 20010508
 AI US 1999-440400 19991115 (9)
 RLI Division of Ser. No. US 1997-912205, filed on 15 Aug 1997, now patented,
 Pat. No. US 6091002 Continuation-in-part of Ser. No. US 1996-673388,
 filed on 25 Jun 1996, now patented, Pat. No. US 5958745
 Continuation-in-part of Ser. No. US 1996-628039, filed on 4 Apr 1996,
 now patented, Pat. No. US 5942660 Continuation-in-part of Ser. No. US
 1996-614877, filed on 3 Mar 1996, now patented, Pat. No. US 5959179
 DT Utility
 FS Granted
 LN.CNT 6803
 INCL INCLM: 435/135.000
 INCLS: 435/155.000; 435/157.000; 435/158.000; 528/001.000; 530/200.000
 NCL NCLM: 435/135.000
 NCLS: 435/155.000; 435/157.000; 435/158.000; 528/001.000; 530/200.000
 IC [7]
 ICM: C12P007-02
 ICS: C12P007-04; C12P007-18; C12P007-62
 EXF 435/135; 435/155; 435/157; 435/158; 528/1; 530/200
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 17 OF 28 USPATFULL

| | |
|-----------|------------|
| Full Text | Claim |
| | References |

AN 2001:44436 USPATFULL
 TI Maize RS81 promoter and methods for use thereof
 IN McElroy, David, Palo Alto, CA, United States
 Orozco, Jr., Emil M., West Grove, PA, United States
 Laccetti, Lucille B., Groton, CT, United States
 PA Dekalb Genetics Corporation, Mystic, CT, United States (U.S.)

PI corporation)
US 6207879 **B1** 20010327
AI US 1999-312266 19990514 (9)
DT Utility
FS Granted
LN.CNT 5244
INCL INCLM: 800/278.000
 INCLS: 800/279.000; 800/295.000; 800/298.000; 800/312.000; 800/314.000;
 800/317.000; 800/320.000; 800/322.000; 800/281.000; 800/300.000;
 800/301.000; 800/302.000; 800/303.000; 800/289.000; 800/290.000;
 800/293.000; 800/284.000; 800/287.000; 800/294.000; 800/317.200;
 800/317.300; 800/317.400; 800/306.000; 800/292.000; 435/069.100;
 435/320.100; 435/418.000; 435/419.000; 435/468.000; 435/252.300;
 536/023.100; 536/024.100; 536/023.600
NCL NCLM: 800/278.000
 NCLS: 435/069.100; 435/252.300; 435/320.100; 435/418.000; 435/419.000;
 435/468.000; 536/023.100; 536/023.600; 536/024.100; 800/279.000;
 800/281.000; 800/284.000; 800/287.000; 800/289.000; 800/290.000;
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 800/300.000; 800/301.000; 800/302.000; 800/303.000; 800/306.000;
 800/312.000; 800/314.000; 800/317.000; 800/317.200; 800/317.300;
 800/317.400; 800/320.000; 800/322.000
IC [7]
ICM: C12N015-05
ICS: C12N015-29; C12N015-63; C12N015-82; A01H005-00
EXF 800/278; 800/295; 800/287; 800/298; 800/320; 800/320.1; 800/320.2;
 800/320.3; 800/317.2; 800/317.3; 800/317.4; 800/312; 800/314; 800/279;
 800/281; 800/284; 800/289; 800/290; 800/300; 800/361; 800/302; 800/303;
 800/306; 800/322; 800/292; 800/293; 800/294; 800/317; 435/69.1;
 435/252.3; 435/320.1; 435/419; 435/468; 435/418; 435/413; 435/412;
 435/414; 435/415; 435/416; 435/417; 536/23.1; 536/24.1; 536/23.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 18 OF 28 USPATFULL

Full
 Citing
 Text
 References

AN 2001:29786 USPATFULL
TI Maize RS324 promoter and methods for use thereof
IN McElroy, David, Palo Alto, CA, United States
 Orozco, Jr., Emil M., West Grove, PA, United States
 Laccetti, Lucille B., Groton, CT, United States
PA Dekalb Genetics Corp., Mystic, CT, United States (U.S. corporation)
PI US 6194636 **B1** 20010227
AI US 1999-312285 19990514 (9)
DT Utility
FS Granted
LN.CNT 5182
INCL INCLM: 800/278.000
 INCLS: 800/279.000; 800/295.000; 800/298.000; 800/287.000; 800/320.100;
 800/320.200; 800/320.300; 800/317.200; 800/317.300; 800/317.400;
 800/312.000; 800/314.000; 800/281.000; 800/284.000; 800/289.000;
 800/290.000; 800/292.000; 800/293.000; 800/294.000; 800/300.000;
 800/301.000; 800/302.000; 800/303.000; 800/306.000; 435/069.100;
 435/320.100; 435/418.000; 435/419.000; 435/468.000; 435/252.300;
 536/023.100; 536/024.100; 536/023.600
NCL NCLM: 800/278.000
 NCLS: 435/069.100; 435/252.300; 435/320.100; 435/418.000; 435/419.000;
 435/468.000; 536/023.100; 536/023.600; 536/024.100; 800/279.000;
 800/281.000; 800/284.000; 800/287.000; 800/289.000; 800/290.000;
 800/292.000; 800/293.000; 800/294.000; 800/295.000; 800/298.000;
 800/300.000; 800/301.000; 800/302.000; 800/303.000; 800/306.000;
 800/312.000; 800/314.000; 800/317.200; 800/317.300; 800/317.400;
 800/320.100; 800/320.200; 800/320.300
IC [7]
ICM: C12N015-05

EXF ICS: C12N015-29; C12N015-63; C12N015-82; A01H005-00
 800/278; 800/295; 800/287; 800/298; 800/320.3; 800/320.1; 800/320;
 800/320.21; 800/317.2; 800/317.3; 800/317.4; 800/312; 800/314; 800/279;
 800/281; 800/284; 800/289; 800/290; 800/300; 800/301; 800/302; 800/303;
 800/306; 800/322; 800/292; 800/293; 800/294; 435/69.1; 435/252.3;
 435/320.1; 435/419; 435/468; 435/418; 435/413; 435/411; 435/412;
 435/414; 435/415; 435/416; 435/417; 536/23.1; 536/24.1; 536/23.6

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 19 OF 28 USPATFULL

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| Full Text | Citing References |
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AN 2000:149981 USPATFULL
 TI DNA encoding **plastid** pyruvate dehydrogenase and branched chain oxoacid dehydrogenase components
 IN Randall, Douglas D., Columbia, MO, United States
 Mooney, Brian P., Columbia, MO, United States
 Johnston, Mark L., Gales Ferry, CT, United States
 Luethy, Michael H., Old Mystic, CT, United States
 Miernyk, Jan A., Peoria, IL, United States
 PA The Curators of the University of Missouri, Columbia, MO, United States (U.S. corporation)
 PI US 6143561 20001107
 AI US 1998-108020 19980630 (9)
 PRAI US 1997-51291P 19970630 (60)
 US 1997-55255P 19970801 (60)
 US 1998-76544P 19980302 (60)
 US 1998-76554P 19980302 (60)
 DT Utility
 FS Granted
 LN.CNT 4172
 INCL INCLM: 435/419.000
 INCLS: 435/252.300; 435/320.100; 536/023.200; 536/023.600
 NCL NCLM: 435/419.000
 NCLS: 435/252.300; 435/320.100; 536/023.200; 536/023.600
 IC [7]
 ICM: C12N001-21
 ICS: C12N005-14; C12N015-29; C12N015-52; C12N015-82
 EXF 435/69.1; 435/320.1; 435/419; 435/468; 435/252.3; 536/23.2; 536/23.6;
 800/278; 800/298
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 20 OF 28 USPATFULL

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|-----------|-------------------|
| Full Text | Citing References |
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AN 2000:121286 USPATFULL
 TI Bioluminescent bioreporter integrated circuit
 IN Simpson, Michael L., Knoxville, TN, United States
 Sayler, Gary S., Blaine, TN, United States
 Paulus, Michael J., Knoxville, TN, United States
 PA UT Battelle, LLC, Oak Ridge, TX, United States (U.S. corporation)
 The University of Tennessee Research Corp., Knoxville, TX, United States (U.S. corporation)
 PI US 6117643 20000912
 AI US 1997-978439 19971125 (8)
 DT Utility
 FS Granted
 LN.CNT 5414
 INCL INCLM: 435/007.100
 INCLS: 422/055.000; 422/057.000; 422/058.000; 422/082.010; 422/082.050;
 422/082.060; 422/082.070; 422/082.080; 435/006.000; 435/007.320;
 435/287.100; 435/287.200; 435/288.700; 435/808.000; 436/518.000;
 436/524.000; 436/525.000; 436/531.000; 436/805.000
 NCL NCLM: 435/007.100
 NCLS: 422/055.000; 422/057.000; 422/058.000; 422/082.010; 422/082.050;

422/082.060; 422/082.070; 422/082.080; 435/006.000; 435/007.320;
 435/287.100; 435/287.200; 435/288.700; 435/808.000; 436/518.000;
 436/524.000; 436/525.000; 436/531.000; 436/805.000

IC [7]
 ICM: G01N033-53
 EXF 422/55; 422/57; 422/58; 422/82.01; 422/82.05; 422/82.06; 422/82.07;
 422/82.08; 435/6; 435/7.32; 435/287.1; 435/287.2; 435/288.7; 435/808;
 435/7.1; 436/518; 436/524; 436/525; 436/531; 436/805
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 28 USPATFULL

Full Claims
 Text References

AN 2000:92157 USPATFULL
 TI Polyhydroxyalkanoates of narrow molecular weight distribution prepared
 in transgenic plants
 IN Asrar, Jawed, Chesterfield, MO, United States
 Mitsky, Timothy A., Maryland Heights, MO, United States
 Shah, Devang T., Chesterfield, MO, United States
 PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)
 PI US 6091002 20000718
 AI US 1997-912205 19970815 (8)
 RLI Continuation-in-part of Ser. No. US 1996-673388, filed on 28 Jun 1996
 which is a continuation-in-part of Ser. No. US 1996-628039, filed on 4
 Apr 1996, now patented, Pat. No. US 5942660 which is a
 continuation-in-part of Ser. No. US 1996-614877, filed on 13 Mar 1996
 DT Utility
 FS Granted
 LN.CNT 7126
 INCL INCLM: 800/288.000
 INCLS: 435/135.000; 800/260.000
 NCL NCLM: 800/288.000
 NCLS: 435/135.000; 800/260.000
 IC [7]
 ICM: A01H001-02
 ICS: C12N015-82; C12P007-62
 EXF 435/172.3; 435/320.1; 435/419; 435/DIG.1; 435/468; 435/135; 536/23.2;
 536/23.7; 800/205; 800/DIG.43; 800/DIG.58; 800/DIG.42; 800/DIG.15;
 800/DIG.56; 800/DIG.26; 800/DIG.17; 800/DIG.14; 800/DIG.23; 800/DIG.9;
 800/DIG.55; 800/DIG.24; 800/278; 800/288; 800/298; 800/320.1; 800/317.3;
 800/320.3; 800/306; 800/317.2; 800/322; 800/260
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 28 USPATFULL

Full Claims
 Text References

AN 1999:117750 USPATFULL
 TI Method for transforming soybeans
 IN Hinchee, Maud Ann Wrightson, Wildwood, MO, United States
 Clemente, Thomas Elmo, Chesterfield, MO, United States
 Connor-Ward, Dannette Vaudrilynn, St. Charles, MO, United States
 Fedele, Mary Jacqueline, Ballwin, MO, United States
 Fry, Joyce Ellen, St. Louis, MO, United States
 Howe, Arlene R., Ballwin, MO, United States
 Rozman, Renee Jean, Lusby, MD, United States
 PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)
 PI US 5959179 19990928
 AI US 1996-614877 19960313 (8)
 DT Utility
 FS Granted
 LN.CNT 6608
 INCL INCLM: 800/298.000
 INCLS: 435/419.000; 435/468.000; 800/278.000
 NCL NCLM: 800/298.000
 NCLS: 435/419.000; 435/468.000; 800/278.000

IC [6]
 ICM: A01H005-00
 ICS: C12N015-82
 EXF 800/205; 435/69.2; 435/419; 435/172.3; 536/23.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 23 OF 28 USPATFULL

Full References
 Text

AN 1999:117317 USPATFULL
 TI Methods of optimizing substrate pools and biosynthesis of poly- β -hydroxybutyrate-co-poly- β -hydroxyvalerate in bacteria and plants
 IN Gruys, Kenneth James, Chesterfield, MO, United States
 Mitsky, Timothy Albert, Maryland Heights, MO, United States
 Kishore, Ganesh Murthy, Chesterfield, MO, United States
 Slater, Steven Charles, Chesterfield, MO, United States
 Padgette, Stephen Rogers, Grover, MO, United States
 Stark, David Martin, Chesterfield, MO, United States
 PA Monsanto Company, St. Louis, MI, United States (U.S. corporation)
 PI US 5958745 19990928
 AI US 1996-673388 19960628 (8)
RLI Continuation-in-part of Ser. No. US 1996-628039, filed on 4 Apr 1996 which is a continuation-in-part of Ser. No. US 1996-614877, filed on 13 Mar 1996
 DT Utility
 FS Granted
 LN.CNT 6727
 INCL INCLM: 435/183.000
 INCLS: 424/139.100; 435/069.100; 530/350.000
 NCL NCLM: 435/183.000
 NCLS: 424/139.100; 435/069.100; 530/350.000
 IC [6]
 ICM: A61K039-395
 ICS: C07K014-195; C12N009-00
 EXF 435/183; 435/6; 435/69.1; 424/139.1; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 24 OF 28 USPATFULL

Full References
 Text

AN 1999:110533 USPATFULL
 TI Fatty acid desaturase genes from plants
 IN Browse, John, Palouse, WA, United States
 Grau, Luis Perez, Davis, CA, United States
 Kinney, Anthony J., Wilmington, DE, United States
 Pierce, Jr., John W., Wilmington, DE, United States
 Wierzbicki, Anna M., Wilmington, DE, United States
 Yadav, Narendra S., Chadds Ford, PA, United States
 PA E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
 PI US 5952544 19990914
WO 9311245 19930610
 AI US 1994-244205 19940826 (8)
WO 1992-US10284 19921203
 19940826 PCT 371 date
 19940826 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1991-804259, filed on 4 Dec 1991, now abandoned
 DT Utility
 FS Granted
 LN.CNT 4676
 INCL INCLM: 800/295.000
 INCLS: 435/069.100; 435/468.000; 435/320.100; 435/419.000; 800/281.000;
 536/023.600

NCL NCLM: 800/295.000
 NCLS: 435/069.100; 435/320.100; 435/419.000; 435/468.000; 536/023.600;
 800/281.000
IC [6]
 ICM: A01H005-00
 ICS: C12N015-82
EXF 536/23.6; 435/172.3; 435/69.1; 435/320.1; 435/240.4; 435/419; 800/205;
 800/DIG.69; 426/601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 25 OF 28 USPATFULL

Full Text References

AN 1999:99808 USPATFULL
TI Methods of optimizing substrate pools and biosynthesis of
poly- β -hydroxybutyrate-co-poly- β -hydroxyvalerate in bacteria
and plants
IN Gruys, Kenneth James, Chesterfield, MO, United States
Mitsky, Timothy Albert, Maryland Heights, MO, United States
Kishore, Ganesh Murthy, Chesterfield, MO, United States
Slater, Steven Charles, Chesterfield, MO, United States
Padgette, Stephen Rogers, Grover, MO, United States
Stark, David Martin, Chesterfield, MO, United States
PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)
PI US 5942660 19990824
AI US 1996-628039 19960404 (8)
RLI Continuation of Ser. No. US 1996-614877, filed on 13 Mar 1996
DT Utility
FS Granted
LN.CNT 6734
INCL INCLM: 800/298.000
INCLS: 435/268.000; 435/419.000; 536/023.200; 536/023.700; 800/281.000
NCL NCLM: 800/298.000
NCLS: 435/268.000; 435/419.000; 536/023.200; 536/023.700; 800/281.000
IC [6]
ICM: A01H005-00
ICS: C12N005-14; C12N015-31; C12N015-52
EXF 800/205; 435/69.2; 435/172.3; 435/419; 435/69.8; 536/23.2; 536/23.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 26 OF 28 USPATFULL

Full Text [Citing](#) References

AN 1998:143863 USPATFULL
TI Methods and compositions for cellular and metabolic engineering
IN Minshull, Jeremy, San Francisco, CA, United States
IN Stemmer, Willem P. C., Los Gatos, CA, United States
PA Maxygen, Inc., Santa Clara, CA, United States (U.S. corporation)
PI US 5837458 19981117
AI US 1996-650400 19960520 (8)
RLI Continuation-in-part of Ser. No. US 1994-198431, filed on 17 Feb 1994,
now patented, Pat. No. US 5605793 Ser. No. Ser. No. US 1996-537874,
filed on 4 Mar 1996 Ser. No. Ser. No. US 1996-621859, filed on 25 Mar
1996 Ser. No. Ser. No. US 1996-621430, filed on 25 Mar 1996, now
abandoned And Ser. No. US 1995-425684, filed on 18 Apr 1995
DT Utility
FS Granted
LN.CNT 3001
INCL INCLM: 435/006.000
INCL INCLS: 435/172.100; 935/076.000; 935/077.000; 935/078.000
NCL NCLM: 435/006.000
IC [6]
ICM: C12Q001-68
ICS: C12N015-00
EXF 435/6; 435/91.2; 435/172.3; 935/76; 935/77; 935/78

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 27 OF 28 USPATFULL

Full Text Drawings References

AN 96:55945 USPATFULL
 TI Method for producing cytoplasmic male sterility in plants and use thereof in production of hybrid seed
 IN Maliga, Pal, East Brunswick, NJ, United States
 PA Rutgers, The State University of New Jersey, Piscataway, NJ, United States (U.S. corporation)
 PI US 5530191 19960625
 AI US 1994-217360 19940324 (8)
 DT Utility
 FS Granted
 LN.CNT 1986
 INCL INCLM: 800/205.000
 INCLS: 435/172.300; 435/172.100; 047/058.000; 047/DIG.001
 NCL NCLM: 800/274.000
 NCLS: 047/DIG.001; 800/287.000; 800/298.000; 800/303.000
 IC [6]
 ICM: A01H005-00
 ICS: A01H001-00; C12N015-05
 EXF 047/58; 435/172.3; 800/205

L4 ANSWER 28 OF 28 EUROPATFULL COPYRIGHT 2002 WILA

Full Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AN 1006190 EUROPATFULL ED 20000618 EW 200023 FS OS
 TIEN Fruit flavour related genes and use thereof.
 TIDE Gene im Zusammenhang mit der Geschmacksbildung in Fruechten und deren Verwendungen.
 TIFR Genes associes a l'arome des fruits et leurs applications.
 IN Verhoeven, Harrie Adrianus, Orionlaan 45, 5694 LB Breugel, NL;
 van Tunen, Arjen Johannes, Wim Sonneveldstraat 31, 6708 NA Wageningen,
 NL;
 Aharoni, Asaph, Pinkas 52 Street, Tel-Aviv, IL;
 Luecker, Joost, Hollasstraat 26, 5991 DA Baarlo, NL;
 O'Connell, Ann Patricia, Boswinde 29, 2633 JH Nootdorp, NL
 PA CENTRUM VOOR PLANTENVEREDELINGS- EN REPRODUKTIEONDERZOEK,
 Droevendaalsesteeg 1,, 6708 PB Wageningen, NL
 SO Wila-EPZ-2000-H23-T1a
 DS R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R GB; R GR; R IE;
 R IT; R LI; R LU; R MC; R NL; R PT; R SE; R AL; R LT; R LV; R MK; R RO;
 R SI
 PIT EPA1 EUROPÄISCHE PATENTANMELDUNG
 PI EP 1006190 A1 20000607
 OD 20000607
 AI EP 1998-204018 19981202
 IC ICM C12N015-53
 ICS C12N015-54 C12N015-60 C12N015-11 C12N015-82
 C12N009-10 C12N009-88 C12N009-04 C12P007-62
 C12Q001-68 C07K016-40 A01H005-00 G01N033-50

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